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Mouse anti M13 phage coat protein g8p

Catalogue number: **MUB0604P**

Clone	RL-ph2
Isotype	IgG2a
Product Type	Primary Antibodies
Units	0.1 mg
Host	Mouse
Application	ELISA Flow cytometry Immunoblotting Immunocytochemistry

Distributors

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Background

The display of repertoires of antibody fragments on the surface of filamentous phage offers a new way to produce immunoreagents with defined specificities. Phage derived antibody fragments offer a number of advantages over Mouse monoclonal antibodies, such as better clearance from the blood, the possibility to select from Human combinatorial libraries and the relative ease by which such fragments can be manipulated. The phage display technique thus facilitates the selection of antibody fragments of therapeutic value or research interest. Antibodies to M13 filamentous phage coat proteins are instrumental in the selection and detection of phages expressing specific antibody fragments or peptide sequences at their surface.

Source

RL-ph2 is a Mouse monoclonal IgG2a, κ antibody derived by fusion of SP2/0-Ag14 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with isolated M13 phage coat proteins.

Product

Each vial contains 100 μ l 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

Applications

Figure 1
Immunoblotting
of RL-ph2
recognizing M13
phage coat
protein g8p



RL-ph2 is particularly useful for immunoblotting of separated phage proteins, and is also suitable for detection of M13 phages in multistep immunoblotting procedures, immunocytochemistry, flow cytometry, affinity chromatography and ELISA. Optimal antibody dilution should be determined by titration; recommended range is 1:25 – 1:200 for flow cytometry, and for immunohistochemistry with avidin-biotinylated Horseradish peroxidase complex (ABC) as detection reagent, and 1:100 – 1:1000 for immunoblotting applications.

Specificity

RL-ph2 reacts with the major M13 filamentous phage coat protein g8p with a molecular weight of 5 kDa.

Storage

Store at 4°C, or in small aliquots at -20°C.

References

1. Meulemans, E. V., Nieland, L. J., Debie, W. H., Ramaekers, F. C., and van Eys, G. J. (1995). Phage displayed antibodies specific for a cytoskeletal antigen. Selection by competitive elution with a monoclonal antibody, *Hum Antibodies Hybridomas* 6, 113-8.
2. Meulemans, E. V., Slobbe, R., Wasterval, P., Ramaekers, F. C., and van Eys, G. J. (1994). Selection of phage-displayed antibodies specific for a cytoskeletal antigen by competitive elution with a monoclonal antibody, *J Mol Biol* 244, 353-60.

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strong acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water. This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.